

CLAIMS

1. Procedure for filling flexible recipients, normally set on crate-type rigid or semi-rigid palletised receptacles, characterised by including the following phases prior to the usage stage:

- folding or rolling up the recipient from two of its opposite sides by the face opposite the one which has the loading and unloading valves on it;
- fitting around the rolled-up recipient of a wrapping which forms a flexible sleeve of laminar material, elastic bands or adhesive tapes;

and the following phases in the usage stage;

- fitting the lower unloading mouth of the flexible recipient in the lower recess of the receptacle and corresponding covering, where applicable, intended for this purpose;
- fitting an upper bridge on the receptacle or crate, provided with at least one slot to allow through the surplus flexible material during the initial phases of the filling operation, which controls the unfolding of the recipient during the filling process;
- fitting the loading mouth in the corresponding support of the upper bridge;
- fitting surplus flexible material on the slot found in the upper bridge;
- connecting the outer unloading conduit with the loading mouth of the recipient and filling this;

2. Procedure, according to claim 1, characterised by the rolling up of the recipient being done at the opposite side to that of the loading and unloading mouths.

3. Procedure, according to claims 1 and 2, characterised in that the sleeve made of flexible laminar material (5) which surrounds the rolled up flexible recipient (1). has a

height approximately equal to or slightly less than the height of the receptacle on which this is indicated.

4. Procedure, according to claims 1 to 3, because around the inner edge of the outer receptacle in the walls, the bottom and the cover there is a covering of a laminar material, such as card, plastic or metal sheets, as a protection means.

5. Set of devices for carrying out said filling of flexible recipients as stated in claim 1, characterised by including:

- a rolled up flexible laminar recipient (1), fitted with loading mouths (2) and/or unloading mouths(3),
- an external wrapping (5) which partly covers said rolled up laminar flexible recipient,
- a bridge (7) for holding the loading mouth (2) in the loading position. during the loading phase, and
- a slot (11) for letting through the upper surplus (12) of the flexible laminar recipient (1) in the loading stage.

6. Set of devices according to claim 5, characterised in that the outer wrapping (5) has a height defined by the distance between the loading (2) and unloading (3) mouths.

7. Set of devices, according to claim 5, characterised in that the bridge has lateral holding supports (8) front ones (9) rear ones, or a combination of these.

8. Set of devices, according to claims 5 or 7, characterised in that the bridge (7) is articulated to the outer receptacle in one of its upper edges.

9. Set of devices, according to any of claims 5 and 6 to 8, characterised in that the recess (13) which holds the loading mouth (2) in the bridge (7) has a zone for insertion and a zone for holding, the insertion zone forming a recess of greater size than the holding zone, of smaller diameter than the larger one of the loading mouth.

10. Set of devices, according to claim 5 or 7, characterised in that the bridge has two rods (10) which form the slot (11), this bridge being able to be wholly or partially formed of the rods which form the structure of the container.

11. Set of devices, according to claim 5, characterised in that the flexible laminar recipient has on its lower side a semi-rigid surface such as a sheet of cardboard affixed to its surface.